



Form PTO-1449 (Modified)	Atty Docket No. 01340P081	Application No. 09/710,703
List of Patents & Publications Statement	Applicant(s): John Josef Hench, et al.	
(Use several sheets if necessary)	Filing Date: November 10, 2000	Group No.: 2661 2642

U.S. PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
✓	AA	5,226,041	07/06/1993	Waclawsky et al.	1	1	RECEIVED MAY 09 2001 Technology Center 2600
✓	AB	5,521,971	05/28/1996	Key et al.	1	1	
✓	AC	6,091,713	07/18/2000	Lechleider et al.	1	1	
✓	AD	5,926,538	07/20/1999	Deryugin et al.	1	1	
✓	AE	4,669,113	05/26/1987	Ash et al.	1	1	
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	No
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	AM							
	AN							
	AO							
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	AQ							

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Substitute For Form 1449A/PTO (Modified 5-19-2000) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application No	09/710,703
	Filing Date	November 10, 2000
	First Named Inventor	John Josef Hench et al.
	Group Art Unit	2661 2642
Examiner Name	Unassigned	
Sheet 1 of 9	Attorney Docket Number	001340.P08

U.S. PATENT DOCUMENTS

Examiner Initials*	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document	Date of Publication Cited Document MM-DD-YYYY	Filing date if Appropriate
B	6,195,594	Shah et al.	February 27, 2001	June 30, 1999
B	5,880,959	Shah et al.	March 9, 1999	November 25, 1997
B	6,230,062	Shah	May 8, 2001	June 30, 1999

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B	LENNART LJUNG, IEEE Transactions on Automatic Control, Vol. AC-23, No. 5, October 1978, "Convergence Analysis of Parametric Identification Methods", pp 770-783.	No
B	SERGIO VERDU, Cambridge University Press, "Multiuser Detection", 1998, pp 1-26, 56-66, 154-175, 384-387.	No
B	GUANGHAN XU et al., IEEE Transactions on Signal Processing, Vol. 43, No. 12, December 1995, "A Least Squares Approach to Blind Channel Identification", pp 2982-2993.	No
B	ALEXANDRA DUEL-HALLEN et al., IEEE Transactions on Communications, Vol. 37, No. 5, May 1989, "Delayed Decision-Feedback Sequence Estimation", pp 428-436.	No

Examiner *Anna X. Min* Date Considered *3/12/05*

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Sheet 2 of 9		Attorney Docket Number	001340.P081	

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b	K. GIRIDHAR et al., IEEE Transactions on Communications, Vol. 45, No. 4, April 1997, "Nonlinear Techniques for the Joint Estimation of Cochannel Signals", pp 473-484.	No
b	LANG TONG et al., IEEE Transactions on Signal Processing, Vol. 47, No. 9, September 1999, "Joint Order Detection and Blind Channel Estimation by Least Squares Smoothing", pp 2345-2355	No
b	ERIC MOULINES et al., IEEE Transactions on Signal Processing, Vol. 43, No. 2, February 1995, "Subspace Methods for the Blind Identification of Multichannel FIR Filters", pp 516-525.	No
b	ALEXANDRA DUEL-HALLEN et al., IEEE Personal Communications, April 1995, "Multiuser Detection for CDMA Systems", pp 46-58.	No
Examiner <i>Mina S. Davis</i>	Date Considered <i>3/12/05</i>	

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B~	UPAMANYU MADHOW et al., IEEE Transactions on Communications, Vol. 42, No. 12, December 1994, "MMSE Interference Suppression for Direct-Sequence Spread-Spectrum CDMA" pp 3178-3188	No
B~	C. RICHARD JOHNSON, JR. et al., Proceedings of the IEEE, Vol. 86, No. 10, October 1998, "Blind Equalization Using the Constant Modulus Criterion: A Review", pp 1927-1950	No
B~	P. CIBLAT et al., "Asymptotic Analysis of Blind Cyclic Correlation Based Symbol Rate Estimation", September 2000	No
B~	DR. DENNIS J. RAUSCHMAYER, Macmillan Technology Series, "ADSL/VDSL Principles", 1999, pp 131-155.	No

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		Application No		09/710,703
		Filing Date		November 10, 2000
		First Named Inventor		John Josef Hench et al
		Group Art Unit		2642-2661
Examiner Name		Unassigned		
Sheet 4 of 9		Attorney Docket Number		001340.P081

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✓	LENNART LJUNG, Prentice-Hall Information and System Sciences Series, "System Identification, Theory for the User", 1987, pp 141-163, 239-263.	No
✓	YAAKOV BAR-SHALOM et al., Artech House, Inc., "Estimation and Tracking: Principles, Techniques, and Software", 1993, pp 450-465.	No
✓	International Telecommunication Union, ITU-T Telecommunication Standardization Sector of ITU, G.810, "Definitions and Terminology for Synchronization Networks", August 1996, pp 1-20	No
✓	ADSL Forum Technical Report TR-024 for Network Management Working Group, "DMT Line Code Specific MIB", June 1999, pp 1-7	No
Examiner <i>[Signature]</i>		Date Considered 3/12/05

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	Filing Date November 10, 2000	
	First Named Inventor John Josef Hench et al.	
	Group Art Unit 2642-2661	
	Examiner Name Unassigned	
Sheet 5 of 9	Attorney Docket Number 001340.P081	

U.S. PATENT DOCUMENTS

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	J. CIOFFI, EEE379A, "Digital Communication: Signal Processing Class notes, Stanford University, pp 167-174, 194-197.	No
	ARTHUR GELB et al., The Analytic Sciences Corporation, "Applied Optimal Estimation", 1974, pp 156-179.	No
	SIMON HAYKIN, Prentice Hall Information and System Sciences Series, "Adaptive Filter Theory", Third Edition, 1996, pp 772-815.	No
	IAN R. PETERSEN et al., Control Engineering, "Robust Kalman Filtering for Signal and Systems with Large Uncertainties", 1999, pp 35-55.	No

Examiner *Wm L. Davis* Date Considered *3/12/05*

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Examiner Name	Unassigned		
Sheet 6 of 9	Attorney Docket Number	001340.P081	

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B✓	STEPHEN BOYD et al., "Convex Optimization", Course Reader for EE364: Introduction to Convex Optimization with Engineering Applications, Stanford University, Winter Quarter 1996-1997, pp 1-146.	No
B✓	AMIT MATHUR, Dissertation from Electrical and Computer Engineering, University of California, Santa Barbara, "Algorithms for Cochannel Source Separation and Signal Estimation", December 1996, pp 1-165.	No
B✓	EDWARD A. LEE et al., Kluwer Academic Publishers, "Digital Communication", Second Edition, 1994, pp 408-424, 468-486.	No
B✓	THOMAS STARR et al., Prentice Hall, Communication Engineering and Emerging Technologies, "Understanding Digital Subscriber Line Technology", 1999, pp 297-354.	

Examiner <i>Mia & Dan</i>	Date Considered 3/12/05
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B	D. GODARD, IEEE Transaction Communications, Vol. COM-28, No. 11, November 1980, "Self-Recovering Equalization and Carrier Tracking in Two-Dimensional Data Communication Systems", pp 1867-1875.	No
B	LENNART LJUNG, PTR Prentice Hall Information and System Sciences Series, "System Identification, Theory for the User", Second Edition, 1999, pp 79-139, 197-279, 317-360.	No
B	RAÚL A. CASAS et al., Broadcasting & Cable, "Current Approaches to Blind Decision Feedback Equalization", August 1999, pp 1-52.	No
B	JOHN G. PROAKIS, McGraw Hill Series in Electrical and Computer Engineering, "Digital Communications, Third Edition, 1995, pp 267-286.	No

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B~	CRAIG MICHAEL TEUSCHER, Dissertation submitted as requirement for the degree of Dr. of Philosophy in Engineering-Electrical Engineering and Computer Sciences, "Low Power Receiver Design for Portable RF Applications: Design and Implementation of an Adaptive Multiuser Detector for an Indoor, Wideband CDMA Application, Fall 1998, pp 37, 43-52	No
B~	CLAES TIDESTAV et al., Signals and Systems, Uppsala University, "Realizable MIMO Decision Feedback Equalizers", International Conference on Acoustics, Speech, and Signal Processing (ICASSP99) March 1999, Phoenix, AZ, V.5, pp 2591-2594.	No

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B ²	K. SAM SHANMUGAN et al., John Wiley and Sons, "Random Signals, Detection, Estimation and Data Analysis", 1988, pp 341-377.	No
B ²	HARRY L. VAN TREES, Massachusetts Institute of Technology, "Detection, Estimation, and Modulation Theory", 1968, pp 19-163, 239-418.	

Examiner <i>Eric R. [Signature]</i>	Date Considered <i>3/12/05</i>
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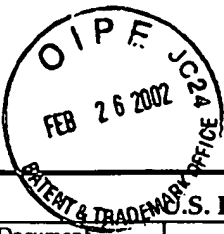
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		Number	Kind Code ² (If known)			
		US5063351		Goldthorp, et al.	11/5/1991	
		US5343461		Barton, et al.	8/30/1994	
		US5858151		Boudy	12/8/1998	
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		US5926538		Deryugin, et al.	7/20/1999	
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		US6055297		Terry	4/25/2000	
		US6160790		Bremer	12/12/2000	

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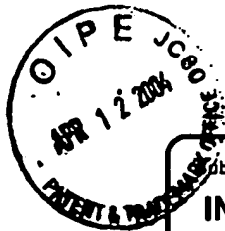
Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.: 001340.P081	Application Number: 09/710,703
Pg. 2 of 2		First Named Inventor: John Josef Hench, et al.	COPY OF PAPERS ORIGINALLY FILED
		Filing Date: November 10, 2000	
OTHER AND NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation ²
B		PCT Search Report, PCT/US00/42097, 10 November 2000, Date of Mailing: 26 June 2001 (5 pgs.)	
B		PCT Search Report, PCT/US00/30859, 10 November 2000, Date of Mailing: 27 March 2001 (5 pgs.)	
B		PCT Search Report, PCT/US00/30858, 10 November 2000, Date of Mailing: 16 March 2001 (7 pgs.)	
B		PCT Search Report, PCT/US00/30887, 11 November 1999, Date of Mailing: 09 August 2001 (24 pgs.)	
B		PCT Search Report, PCT/US00/30967, 10 November 2000, Date of Mailing: 24 January 2001 (7 pgs.)	
B		PCT Search Report, PCT/US00/31026, 10 November 2000, Date of Mailing: 22 January 2001 (7 pgs.)	
B		HONIG, M.L. et al, "Suppression of Near- and Far-End Crosstalk by Linear Pre- and Post-Filtering", Selected Areas in Communications, IEEE Journal on. Vol 10 Issue 3, April 1992, pages 614-629, entire document	

Examiner Signature	<i>Anna R. Mui</i>	Date Considered	3/12/05
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09,710,703
				Filing Date	November 10, 2000
				First Named Inventor	John Josef Hench
				Art Unit	2661
				Examiner Name	Unknown
Sheet	1	of	3	Attorney Docket Number	6515P029

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Examiner Initials*	Cite No.*	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
BV		US-3,814,868	06-04-1974	Bradley	
BV		US-4,649,505	03-10-1987	Zinser, Jr. et al.	
BV		US-4,712,064	12-22-1987	Claessen	
BV		US-4,760,596	07-26-1988	Agrawal et al.	
BV		US-4,987,569	10-22-1991	Ling et al.	
BV		US-5,157,690	10-20-1992	Buttle	
BV		US-5,319,636	06-07-1994	Long et al.	
BV		US-5,329,547	07-12-1994	Ling	
BV		US-5,406,552	04-11-1995	Long et al.	
BV		US-5,548,222	08-20-1996	Jensen et al.	
BV		US-5,929,896	07-27-1999	Goodman et al.	
BV		US-5,761,614	06-02-1998	Leitch et al.	
BV		US-5,862,157	01-19-1999	Bessios	
BV		US-6,161,209	02-12-2000	Moher	
BV		US-6,172,970	01-09-2001	Ling et al.	
BV		US-6,249,762	06-19-2001	Kirsteins et al.	
BV		US-6,317,495	11-13-2001	Gaikwad et al.	
BV		US-6,377,636	04-23-2002	Paulraj et al.	
BV		US-6,434,233	08-13-2002	Bjarnason et al.	
BV		US-6,442,495	08-27-2002	Fleming-Dahl	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.*	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code* - Number* - Kind Code* (if known)				
BV		EP0917314A2	05-19-1999	Dyke		
BV		EP0917314A3	10-10-2001	Dyke		
BV		WO098/52312A2	11-19-1998	Chow et al.		
BV		WO098/52312A3	11-19-1998	Chow et al.		

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Application Number	09.710.703	<div>RECEIVED</div> <div>APR 14 2004</div> <div>Technology Center 2600</div>
Filing Date	November 10, 2000	
First Named Inventor	John Josef Hench	
Art Unit	2661	
Examiner Name	Unknown	
Attorney Docket Number	6515P029	

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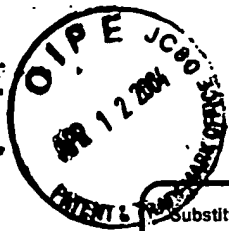
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09.710.703
				Filing Date	November 10, 2000
				First Named Inventor	John Josef Hench
				Art Unit	2661
				Examiner Name	Unknown
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B ²		PETERSEN, BRENT R., et al., "Minimum Mean Square Equalization in Cyclostationary and Stationary Interference-Analysis and Subscriber Line Calculations", Student Member, IEEE Journal, Vol. 9, No. 6, August 1991, pp. 11.	
B ²		VALENTI, CRAIG F., Bellcore, "Cable Crosstalk Parameters and Models", ANSI Contribution TIE1.4/97-302 Technical Subcommittee Working Group Members, Spectral Compatibility, Morristown, NJ 07960, USA, September 22, 1997, pp. 8.	

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